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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Box Patent Application
 Assistant Commissioner For Patents
 Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of James E. Dahlberg, Mary Ann D. Brow and Victor I. Lyamichev for **Rapid Detection and Identification of Pathogens**.

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the U.S. Postal Service on this date **September 13, 2000** in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **EK 898 390 914 US** addressed to: **Box Patent Application, Assistant Commissioner For Patents, Washington, D.C. 20231.**

Mary Ellen Waite

1. Type Of Application

This new application is for a(n)

Original (nonprovisional)
 Continuation.

2. Benefit Of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

The new application being transmitted claims the benefit of prior U.S. application(s) and enclosed are **ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.**

3. Papers Enclosed That Are Required For Filing Date Under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153**(Design) Application**

402 Pages of Specification
 6 Pages of Claims
 1 Page of Abstract
 110 Sheets of Informal Drawings

4. Additional Papers Enclosed

Preliminary Amendment

5. Declaration

Enclosed
 Unexecuted.

6. Inventorship Statement

The inventorship for all the claims in this application is:

the same

7. Language

English

8. Fee Calculation (37 C.F.R. § 1.16)

Regular application

CLAIMS AS FILED

Number Filed	Number Extra	Rate	Basic Fee - \$760.00 (37 C.F.R. § 1.16(a))
Total Claims (37 C.F.R. § 1.16(c))	34 - 20 =	14 × \$18.00 =	\$252.00
Independent Claims (37 C.F.R. § 1.16(b))	6 - 3 =	3 × \$78.00 =	\$234.00
Multiple Dependent Claim(s), if any (37 C.F.R. § 1.16(d))	+ \$260.00 =		\$0.00
Filing Fee Calculation			\$1246.00

A
 JC915 U.S. PTO
 09/13/00

9. Small Entity Statement(s)

Verified Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27 is(are) attached.

Filing Fee Calculation (50% of above) \$623.00

10. Fee Payment Being Made At This Time

Enclosed
 basic filing fee

Total Fees Enclosed \$623.00

11. Method of Payment of Fees

Check in the amount of \$623.00

12. Authorization To Charge Additional Fees and Credit Overpayment

The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment to Deposit Account No.: 08-1290. An originally executed duplicate of this transmittal is enclosed for this purpose.

13. Power of Attorney by Assignee

Enclosed (unexecuted)

14. Return Receipt Postcard

Enclosed

Dated: September 13, 2000


David A. Casimir
Registration No.: 42,395

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 Incorporation By Reference Of Added Pages

Plus Added Pages For New Application Transmittal Where Benefit Of Prior U.S. Application(s)
Claimed

Number of pages added 1

**ADDED PAGES FOR APPLICATION TRANSMITTAL
WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED**

15. Relate Back

A. **35 U.S.C. § 119(e)**

B. **35 U.S.C. §§ 120, 121 and 365(c)**

Amend the Specification by inserting before the first line the sentence: "This is a Continuation of co-pending application U.S. Patent Appln. Ser. No. 08/520,946, filed January 15, 1998, which is a Continuing Patent Application of U.S. Patent Appln. Ser. No. 08/520,946, filed August 30, 1995, which is a Continuation-in-Part application of U.S. Patent Appln. Ser. No. 08/484,956, filed June 7, 1995, now U.S. Patent No. 5,843,654, issued December 1, 1998, which is a Continuation-in-Part application of U.S. Patent Appln. Ser. No. 08/402,601, filed March 9, 1995, now abandoned and the Continuation U.S. Patent Appln. Ser. No. 08/802,233, filed February 19, 1997, now U.S. Patent No. 5,888,780, issued March 30, 1997, which is a Continuation-In-Part Application of Application Serial No. 08/337,164, filed November 9, 1994 and the Continuation U.S. Patent Appln. Ser. No. 08/789,079, filed February 6, 1997, now U.S. Patent No. 5,719,028, issued February 17, 1998, which is a Continuation-In-Part Application of Application Serial No. 08/254,359, filed June 6, 1994, now U.S. Patent No. 5,614,402, issued March 25, 1997, which is a Continuation-In-Part Application of Application Serial No. 08/073,384, filed June 4, 1993, now U.S. Patent No. 5,541,311, issued June 30, 1996, which is a Continuation-In-Part Application of Application Serial No. 07/986,330, filed December 7, 1992, now abandoned. The present application also claims priority to U.S. Patent Appln. Ser. No. 08/471,066, filed June 6, 1995, now U.S. Patent No. 5,837,450, issued November 17, 1998, which is a Divisional application of U.S. Patent Appln. Ser. No. 08/254,359, listed above, U.S. Patent Appln. Ser. No. 08/481,238, filed June 6, 1995, now U.S. Patent No. 5,795,763, issued August 18, 1998, which is a Divisional application of U.S. Patent Appln. Ser. No. 07/986,330, listed above, and U.S. Patent Appln. Ser. No. 08/483,043, filed June 6, 1995, now U.S. Patent No. 5,691,142, issued November 25, 1997, which is a Divisional application of U.S. Patent Appln. Ser. No. 07/986,330, listed above."